

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

The importance of the T 66 test in the diagnosis of liver diseases. Cas. lek. Cesk. 104 no.44:1225-1226 5 N 1961.

1. Infekcni klinika fakulty detskeho lekarstvi Karlovy University v Praze (prednosta prof. dr. J. Prochazka) a Ustredni laborator nemocnice na Bulovce, Praha 8 (vedouci MUDr. K. Masek).

CZECHOSLOVAKIA

PARRAK, V; MOHELKA, O.

State Institute of Drug Control (Statny ustav pre
kontrolu lieciv), Bratislava (for both)

Bratislava, Farmaceuticky obzor, No 9, 1963, pp 388-397

"Analysis of Quality and Stability Demands of Emetinhydro-
chloride Solutions."

MACHOVICOVA, F.; PARRAK, V.; MOHMLSKA, O.

Studies on physostigmine decomposition with the aid of paper chromatography. Cesk. farm. 11 no.4:196-199 My 1962.

1. Statny ustav pre kontrolu lieciv, Bratislava.
(CHROMATOGRAPHY) (PHYSOSTIGMINE chem)

MOHELSKA, H.

CZECHOSLOVAKIA

Czechoslovakia

Tuberculosis Research Institute (Vyzkumny ustav tuberkulozy v Praze), Prague; Director: R. KRIVINKA, Doc. Dr.

Prague, Rozhledy v tuberkulose a v nemocech plicnich, No 8, Sep 62, pp 599-605.

"Comments on the Developpment of Nuclear Structures in Mycobacterium sp. Strain SAFC".

Co-authors:

SULOVA, J.; MAKOVCOVA, A., CVEJNOVA, Z.; Tuberculosis Research Institute, Prague.

(4)

MOHELNIK, Zdenek

Experience with the extended control of enterprise power plants
by the Ministry of Fuel and Power. Energetika Cz 11 no.1:14
Ja '61.

PARIN, V.V. (Moskva); MOHRULISHVILI, G.I. (Tbilisi)

Achievements and tasks in the study of microcirculation. Vest.
AMN SSSR 19 no.6:3-9 '64. (MIRA 3304)

MOHAY, S., dr.; GEHER, F., dr.

Pharmacoradiographic studies of the stomach with pempidin. Ther.
hung. 11 no.1:20-23 '63.

1. Department of Radiology, Balassa Janos Municipal Hospital of
the 8th District of Budapest.
(STOMACH) (PEMPIDINE) (PHARMACOLOGY) (RADIOGRAPHY)

MOHAY, Sandor, dr.; GEHER, Ferenc, dr.

Pharmaco-radiographic examination of the stomach with Synapleg. Orv.
betil. 103 no. 36:1705-1709 9 S '62..

1. Budapest Fovaros VIII. ker. Tanacs Balassa Janos korhaza, Rontgenosztaly.
(STOMACH pharmacol) (AUTONOMIC DRUGS pharmacol)

BIRO, Istvan, dr.; MOHAY, Sandor, dr.

Melanoblastoma of the eye following injury. Orv. hetil. 95 no.51:
1412-1414 19 Dec 54.

1. A Szabolcs-utcai Allami Korhas (igazgato: Doleschall Frigyes dr.)
Korbonctani es Korszozettani Intezetnek (foorvos: Becsei Anna dr.)
es IV. Belgyogyaszati Osztalyanak (foorvos: Assodi Zoltan dr.)
kozlemenye.

(EYE, neoplasms

melanoma following inj.)

(WOUNDS AND INJURIES

eye, causing melanoma with metastasis to liver)

(LIVER, neoplasms

melanoma, metastatic from eye)

(EYE, wds. & inj.

causing melanoma with metastasis to liver)

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MOHAY, Kalman, okl. mernok; BANYASZATI Kutato Intezet, Budapest.

Load capacity, economical character and use of gallery-supporting reinforced concrete arches. Bany lap 93 no. 7:450-457 J1:60.

MOHAY, Kalman, okleveles mérnök

Calculating the stresses of circular rings exposed to arbitrary loading.
Pt. 2. Bany lap 97 no.7:468-479 J1 '64.

1. Mining Research Institute, Budapest.

MOHAY, Kalman, okleveles mernok

Load capacity, economy and use of roadway supports made of ferroconcrete arches. Bany lap 93 no.7:450-457 J1 '60.

1. Banyaszati Kutato Intezet, Budapest.

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KOLLER, Sándor, ~~okleveles gépészmérnök~~

First results of road pavement roughness tests in Hungary. Köz-
tud sz 14 no.9:403-406 S '64.

1. Division Chief, Scientific Research Institute of Automotive
Transportation, Budapest.

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MOHAROS, Kalman, okleveles gepeszmernok

Research trends in measuring surface roughness in automotive transporatation. Kozl tud sz 14 no. 5:208-215 My '64.

1. Division Chief, Scientific Research Institute for Automobile Transportation, Budapest.

MOHAROS, Kalman

The knowledge of the accelerating capacity of motor vehicles may reduce accidents. Auto motor 15 no.12:22 21 Je '62.

1. Autokozlekedesi Tudomanyos Kitato Intezet tudomanyos osztalya zetoje.

NOHAY, L.

"Mistakes and Difficulties in the Field of Antipersonnel Warfare", 11-12
("ARMY: TECHNICA", Vol. 1, no. 12, Dec. 1953, Garmont, Hungary).

Source: Monthly List of East European Accessions, 12, Vol. 2, no. 1,
May 1954/Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

MOHAROS, Jeno, okleveles banyamernok

In account of the Lugansk technical conference. Bany lap
97 no. 5: 330 My '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6
No. 21206-207 Ap'64 Examination of fibrogen. Kiserl.

1. Kozponti Allami Korhaz Laboratoriuma, Budapest.

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Supervizor Ailani Korhas, Laboratorium (foorvos: Rohny,
Bela, dr.).

MOHAR, L.

MOHAR, L Let us harvest a hay crop that is abundant and of good
quality. p. 10

Vol. 11, no. 12, June 1956
MAGYAR MEZAGAZDASAG
AGRICULTURE
Budapest, Hungary

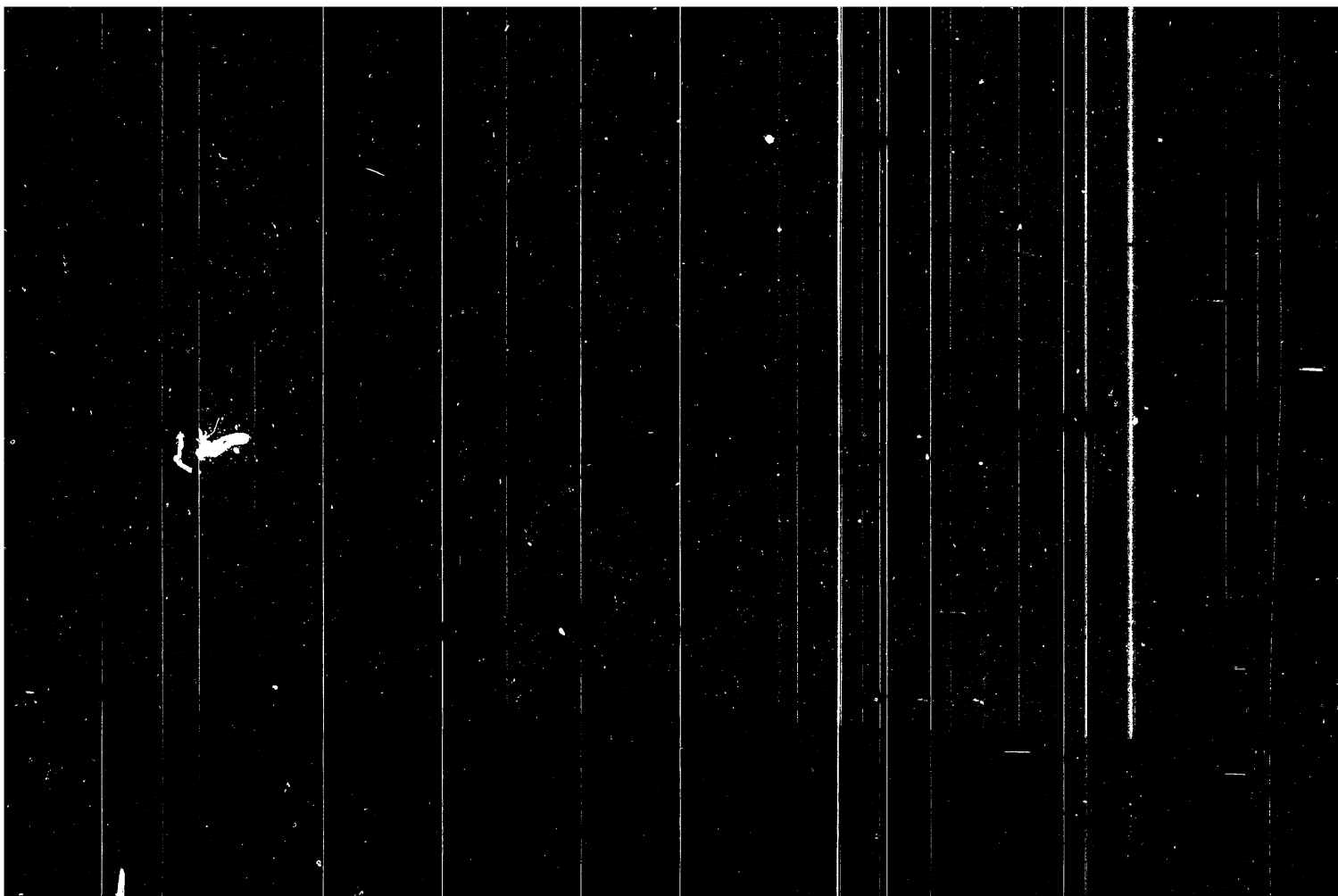
SO: EAST EUROPEAN ACCESSIONS, VOL. 6, no. 3, March 1957

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The significance of the chromatic sedimentation reaction according to Kimbarovsky in various obstetrical and gynecological diseases.

1. Por.--gyn.odd. OUNZ Poprad, prednosta prim. MUDr. L. Topolsky.
(GYNECOLOGY diagnosis)
(OBSTETRICS complications)
(URINE chemistry)

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L 46872-66 EMP(t)/ETI IJP(c) JD/vw/JG
ACC NR: AP6034711

SOURCE CODE: HU/0005/65/071/008/0334/0338

AUTHOR: Mohai, Miklos--Mokhai, M. Upor, Endre, and Jurcsik, Istvan--Yurchik, I.,
Plant for Experimental Research and Automation, Mecsek Ore Mining Enterprise, Pecs
(Mecseki Erőbányasati Vállalat, Kísérleti Kutatási és Automatizálási Üzem)

TITLE: Some problems in the determination of uranium with arsenazo-III

SOURCE: Magyar kémiai folyóirat, v. 71, no. 8, 1965, 334-338

TOPIC TAGS: metal chemical analysis, uranium, arsenic compound, organic
azo compound

ABSTRACT: The method described for the determination of uranium in
ores containing low concentrations of uranium based on the photometry
of the uranium(IV)-Arsenazo-III complex, is basically similar to the
method described by LUKYANOV, P. V., SAVVIN, S. B., and NIKOL'SKAYA,
I.V., (Zh. Anal. Khim., Vol 15, 1960, p 311). Experiences gained in
the use of this method during the last few years were described. A
method suitable for utilizing liquid-phase reduction and reduction
with titanium(III) was developed. The elements interfering with the
determination are titanium, thorium, iron, and phosphorus. The removal
of these was discussed.

Orig. art. has: 1 figure and 4 tables. [JPRS]

SUB CODE: 11.07 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 008
SOV REF: 009
Curd 1/1

092/ 1340

MAKRANCZY, Jozsef; MOHAI, Bela

Gas absorption studies. Pts. 11-13. Veszprem vegyip egy kor
6 no.2:173-196 '62.

1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen Kemia
Tanszek.

MOHAI, Bela; PAPP, Sandor

Studies of redox systems. Pt.5. Veszprem vegyip egy kozl
6 no.2:165-172 '62.

1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen
Kemia Tanszek.

PAPP, Sándor; Mohai, Béla

Investigation of redox systems, Pt. 2, 3, 4. Veszprem vegyip egy
kozl 6 no. 1:63-92 '62

1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen Kemia
Tanszek.

BODOR, Endre, dr.; MOHAI, Bela; PAPP, Sandor; MAKRANCZY, Jozsef

Gas absorption investigations. Pt. 10. Veszprem vegyip egy
koad 5 no.1:85-98 '61

1. Veszpremi Vegyipari Egyetem Altalanos es Szerzetlen Kemia
Tanszak. 2. "A Veszpremi Vegyipari Egyetem Kozlensei" szer-
kesztoje (for Bodor).

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MOHAI, Bela; PAPP, Sander; NEHER, Ersebet

Investigation of redox systems, Pt.1. Veszprem vegyip egy
kozl 5 no.1s73-83 '61

1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen Kemia
Tanszek.

MOHAI, Bela; ~~XXXXXXXX~~, János

Synthesis of chromium (II) compounds by cathodic reduction
and estimation of their stability. Veszprem vegyip egy kozl
3 no.1/4: 231-237 '59

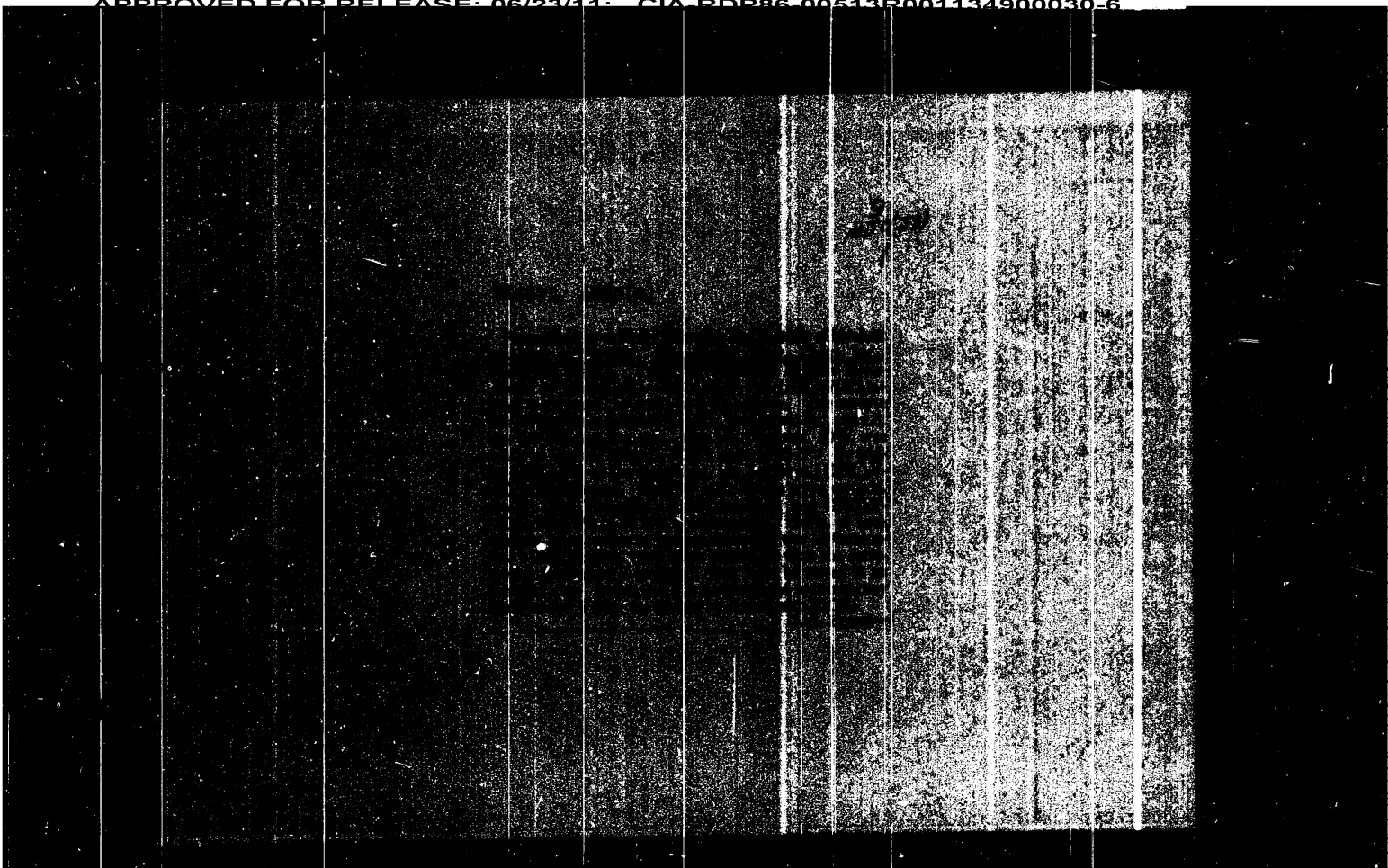
1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen Kemia
Tanszek.

BODOR, Endre; MOHAI, Bela; PFEIFER, Gyula, dr.

Gas absorption investigations. Pt.7. Veszprem vegyip egy kozl
3 no.1/4:205-210 '59

1. Veszpremi Vegyipari Egyetem Altalanos es Szervetlen Kemia
Tanszek.

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MONAI, B.

ar

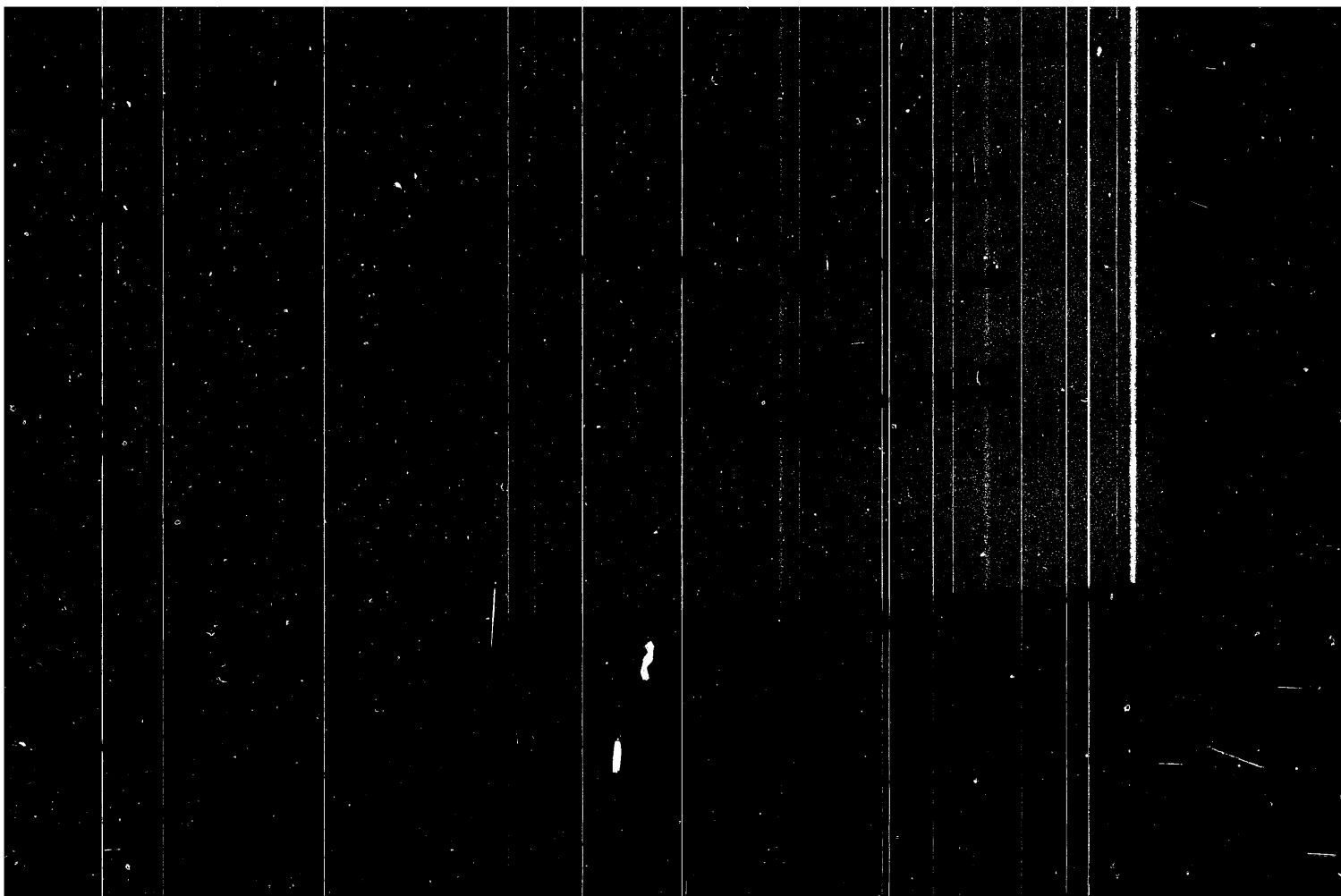
1/1

Distr: 4Eh3

Vapor pressure and heat of vaporization of cobalt nitrate
 (Chem. Ber. 94, 128-130 (1967)). The literature data on vapor pressure, v.p., and heat of vaporization, L , of $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ are contradictory; therefore exact measurements were made in an isothermometer. The equation $\log p = -1767/T + 7.823$ agrees well with the results between 5.0 and 65°. The extrapolated b.p. at 760 mm. Hg is 77.5°. From the data at 15 and 60° L is 8.18 kcal./mol. Francis J. Schmitt.

[Handwritten signature]

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MOHAI, BELA

HUNGARY/Inorganic Chemistry - Complex Compounds.

2.

Abs Jour : Ref Zhur --Kimiya, No 11, 1958, 35671

Author : Bor Gyorgy, Mohai Bela

Inst : -

Title : Chemical Data on Cobalt Carbonyl Complexes. II Reaction of a $[\text{Co}(\text{CO})_4]^-$ -ION with Nitric Oxide.

Orig Pub : Magyar Tud. Akad. Kem. Tud. Oszt. Kozl., 1957, 8, No 2-3, 299-310

Abstract : The reaction of a $[\text{Co}(\text{CO})_4]^-$ -(I) ion in a pure Na $[\text{Co}(\text{CO})_4]$ with NO solution has been studied. The volatile $\text{Co}(\text{CO})_2\text{NO}$ (II) has been obtained as a result. It has been demonstrated, that NO participates not only in the complex-formation but also in the oxidation process, and that the reaction takes place according to the following formula: $2[\text{Co}(\text{CO})_4]^- + 3 \text{NO} + \text{H}_2\text{O} = 2 \text{Co}(\text{CO})_2\text{NO} + 2 \text{CO} +$

$2\text{OH}^- + 1/2 \text{N}_2$. The NO discharge in this reaction

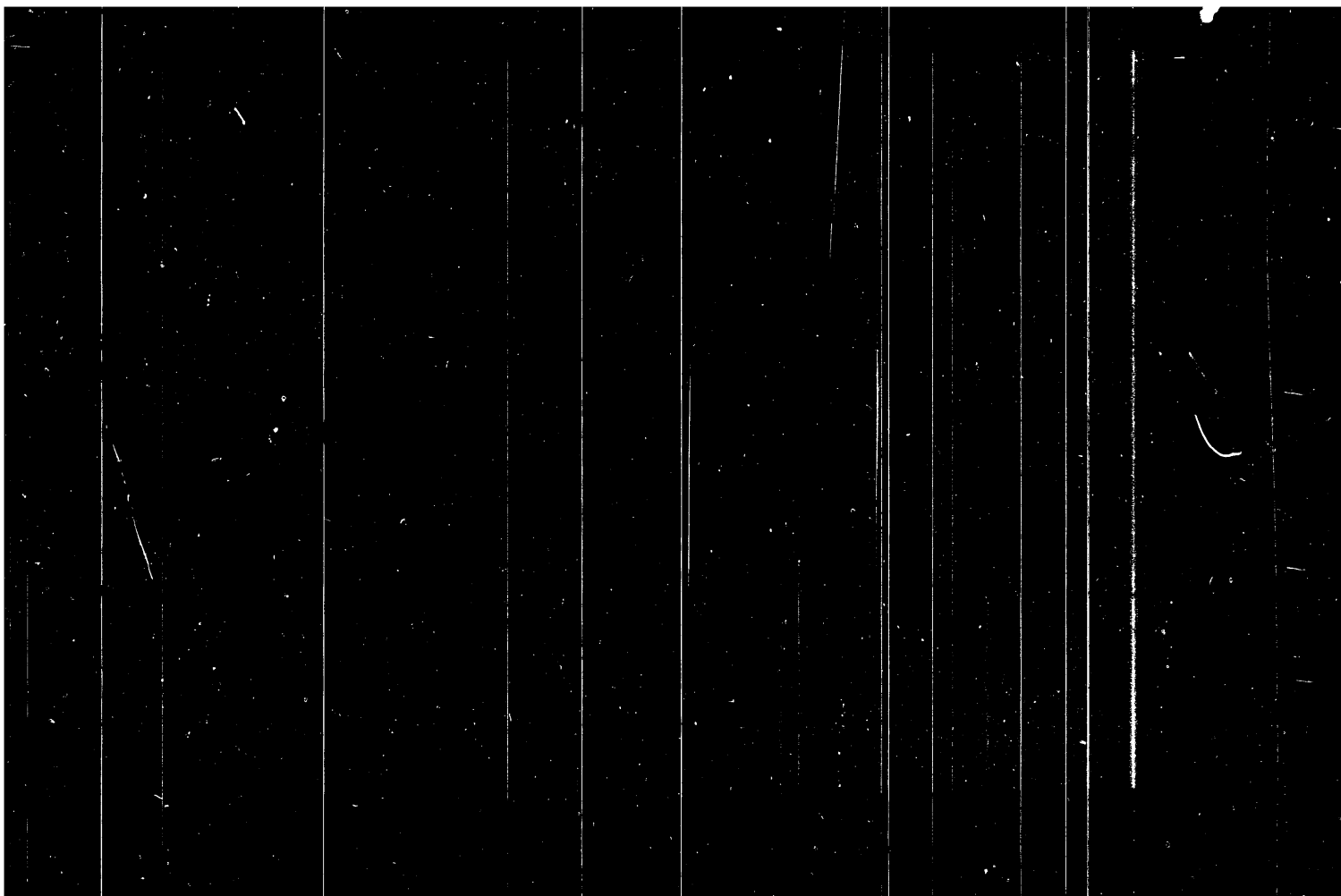
Card 1/2

MOHAI, B.

Preparation of cobalt carbonyl nitrosyl by the dithionite method.
In German p. 345. Vol. 6. no. 4, 1956

SOURCE: East European Accessions List
Vol. 5, No. 7 July 1956

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MOHACSY, MATYAS

Bogyosgyumolcsuek.

Budapest, Hungary, Mezogazdasagi Kiado, 1952, 339 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

MOHACSY, László

Typification as a prerequisite for manufacturing concrete elements.
Magy ep ipar 10 no.11:489-491 N '61.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

Moscow, Russia

Prefabricated shuttering of industrial buildings. Magy ep ipar 10
no.4:161-163 '61.

MONACSY, L.

Modern high silos. p. 376.

MAGYAR EPITOIRAS. (Eptoireri Tudomanyos Egyesulet) Budapest, Hungary, Vol. 2, no. 7, 1958.

Monthly List of East European Acquisitions (BEAI) IC, Vol. 2, no. 7, July 1958.
UNCL

MOHACSY, Ildiko; STEPHANEK, Ottília; ACS, György

Evaluation of cerebrospinal fluid and blood adenosine deaminase activity in nervous system tumors. Ideg. szemle 10 no.3:84-87 July 57.

1. Országos Idegsebészeti Tudományos Intézet (Igazgató: dr Zoltan László) és Budapesti Orvostudományi Egyetem Orvosi Végzetési Intézete (Igazgató: dr. Straub F. Bruno) közleménye.

(AMIDASES, determ.

adenosine deaminase in CSF & blood in NS tumors (Hun))
(NERVOUS SYSTEM, neoplasms
blood & CSF adenosine deaminase activity (Hun))

FODOR, Gabor, akademikus; MÉRACSI, Tivadar, TOMASZ, Jeno

Present state of the chemistry of nucleotides. Kem tud
kosl MTA 19 no.2:163-179 '63.

1. Magyar Tudományos Akademia Sstereokemiai Kutató
Csoportja, Budapest. 2. "A Magyar Tudományos Akademia
Kémiai Tudományok Osztályának Közleményei"
szerkesztő bizottsági tagja (for Fodor).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

Journal of Peace Research, Vol. 11, no. 1, Jan. 1974

20: Monthly List of East European Accession (MELA) 10, Vol. 6, no. 7, July 1972, Incl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

Vol 17, no. 3/4, 1955. KOZLÉNYEI. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1955

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

A. MOHACSI, M.

International Center for Antarctic Analysis. Idojara 68
no.4:255 J1-Ag '64.

HUNGARY

MOHACSI, L., Dr., HORVATH, Gy., Dr., and SOLTESZ, I., Dr., First Surgical Clinic at the Medical University (Orvostudományi Egyetem, I. Sebészeti Klinika) in Debrecen (Director: SZALECZKY, Gyula, Dr.).

"Iatrogenic Infections in Urology"

Budapest, Orvosi Hetilap, Vol 107, No 25, 19 Jun 1966, pp 1172-1175.

Abstract: The significance of iatrogenic infections in urological practice and means for the prevention of these were discussed. The principal causes of such infections are the lack of proper sterilization of the instruments used and bacterial infections by microorganisms dwelling in the lower urether in the course of urological endoscopic examinations. Methods for ensuring the prevention of such infections were discussed on the basis of the authors' experience and data published in the literature. 21 references, including 5 Hungarian, 7 German, and 9 Western.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6
of Debrecen, I. Surgical Clinic (director: SZEPESZ, Gyula) 1.34900030-6
(Debreceni Orvostudományi Egyetem, I. sz. Sebészeti Klinika).

"Instrumental Treatment of Ureter Stones."

Budapest, Magyar Sebészet, Vol XIX, No 2, Apr 66, pages 131-135.

Abstract: [Authors' German summary] On the basis of 60 cases, the most important indications for the instrumental removal of ureter stones are discussed. The present experiences are in agreement with the conclusions arrived at in the literature according to which stones which are not prone to spontaneous passage, especially those localized in the lower third of the ureter, should be removed with the Zeiss loop in order to prevent later complications. 6 Hungarian, 16 Western references.

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1. Department of Anatomy, Histology and Embryology, University Medical
School, Debrecen (Director: Prof. St. Krompecher)

(ESOPHAGUS ant & histol) (AGING)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6
Magy. sebeszet 14 no.2:101-105 Ap '61.

1. A debreceni Orvostudományi Egyetem I. sz. Sebészeti klinikájának
közleménye. Igazgató: Szelecsky Gyula dr. egyetemi tanár.

(CURARE ther) (GUAIACOL ther) (GLYCERIN ther)
(ETHER ETHYL ther)

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MOHACSI, Karoly

~~MOHACSI, Karoly~~

This is a copy of a letter from the Hungarian People's Republic
to the United States of America.

1. The letter is dated 1955.

S/263/62/000/011/001/022
1007/1207

AUTHOR: Kocsis, László, Mohácsi, József and Bokody, Gyula

TITLE: Method for remote transmission of measurements

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 11. 1962, 5, abstract 32.11.25 P. Hungarian patent, class 42e, 1-13, no. 147330, July 30, 1960

TEXT: A telemetering transmitter has been developed consisting of a hollow ring made of insulating material. The ring contains a drop of mercury and two or more electrically insulated conductors. The transmitter is fastened to the axis of the measuring device. Rotation of the transmitter causes the drop of mercury to rotate and to shift into the lower part of the ring where it links different conductors, depending on the angle of rotation of the transmitter. The friction between the drop and the ring is negligible, particularly if the latter is made of acetone or cellulose, etc. Summation of the measurement readings may be obtained by connecting the transmitter in series.

[Abstracter's note: Complete translation.]

Card 1/1

MOHACSI, Jenone

Some ideas on the Attila Jozsef Free University. Term tud kozl
6 no.8:382-383 Ag '62.

MCH-CSI, Gyula (Debrecen)

Remark about the article about "Experiences with Ser. No.
railroad locomotive." Vazir 1, n. 8:8-9 of '64.

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MOHACSI, Gyula (Leopold)

Significance of accurate accounting at traction service. Vesp.
12 no.3:19-20 Mr 162.

MOHACSI, Gyula, mezogazdasági mérnök

Observations on pheasant breeding. Elővilág 7 no. 6:28-31
S-O '62.

MOHACSI, Gyula

Conclusions drawn from the experiments in connection with the crossbreeding of the German shepherd and the Carpathian wolf (*Canis lupus*). Elovilag 6 no.5:20-24 S-O '61.

MCHACSI, Bela (Nagykuta)

Data on the development of the surface of the moon; in memory of
Szilard Zerinvary. Mat kozl MTA 10 no.4:421-439 '60. (EEAI 10:3)

1. Damjanich Janos Gimnazium, Nagykuta.
(Moon) (Zerinvary, Szilard)

STEINER, Bela, dr.; SZABON, Jozsef, dr.; MOHACSI, Antonia, dr.

Value of fungus determination in the diagnosis of interstitial pneumonia. Orv. hetil. 97 no.13:343-344 25 March 56.

1. A Szabolcs utcai Allami Korhaz (igazgato: Doleschall, Frigyes dr.)
Gyermekek es Fuleszeti Osztalyanak kozlomenye.

(PNEUMONIA, in inf. & child

interstitial, in premature inf., fungi as possible
etiol. factor, determ. in subglottic secretion. (Hun))

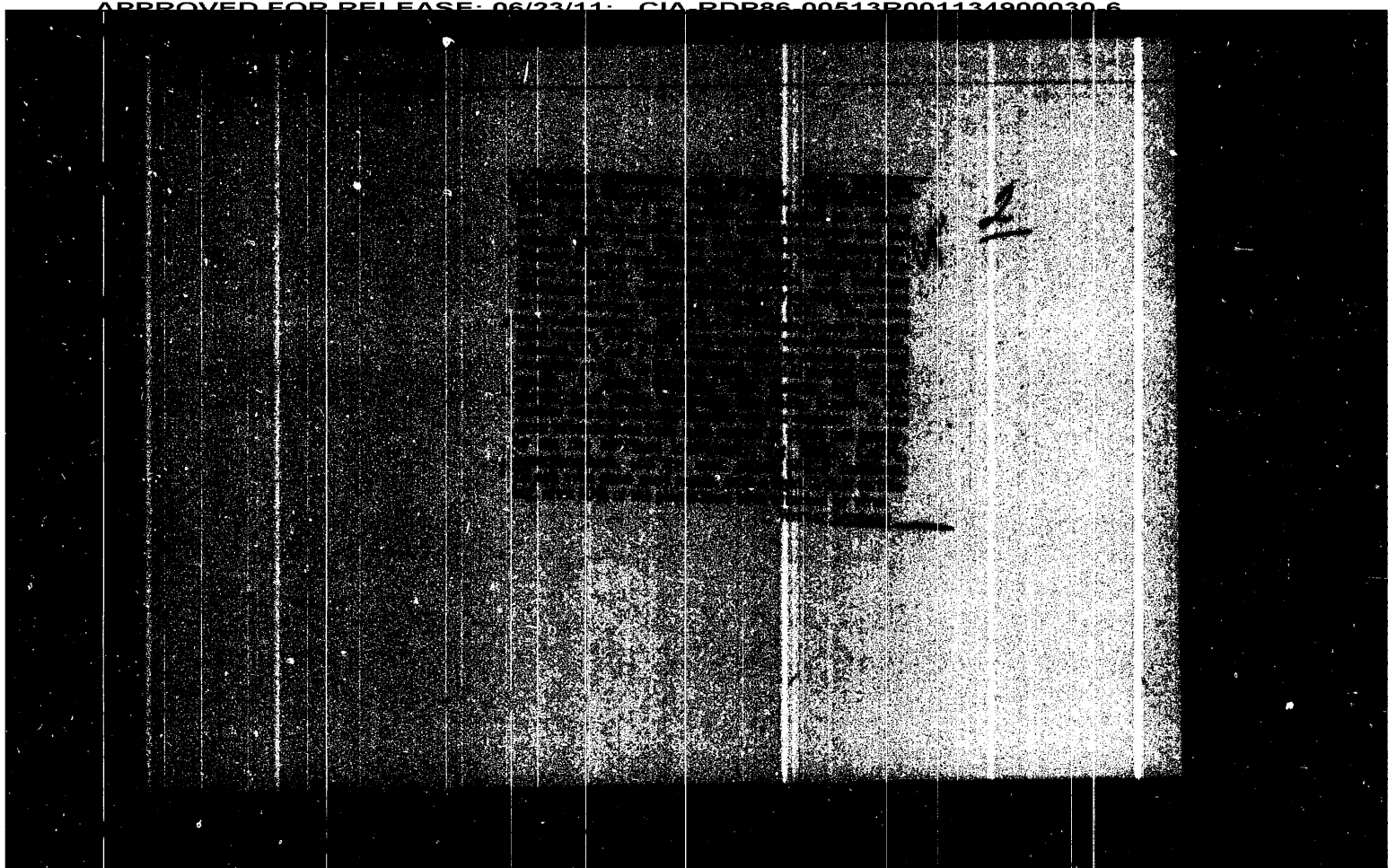
(INFANT, PREMATURE, dis.

pneumonia, interstitial, fungi as possible etiol. factor,
determ. in subglottic secretion. (Hun))

(FUNGI

possible cause of interstitial pneumonia in premature
inf., determ. in subglottic secretion. (Hun))

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MOHACEK, Ivan, dr.

Role and classification of cardiac sounds and murmurs. Liječn.
vjesn. 87 no.3:317-325 Mr '65.

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.

MOHACEK, Ivan, dr.; RADONIC, Milovan, dr.

Myocardial infarction with rupture of the interventricular
septum diagnosed intra vitam. Liječn. vjesn. 85 no. 12:
1371-1376 D'63

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.

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MOHACEK, Ivan, dr.

Resuscitation in cardiac arrest. Lijec. vjes. 84 no.3:265-271 '62.

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.
(HEART ARREST) (RESUSITATION)

MOHACEK, Ivan, dr.; SARIC, Suzana, dr.; IVANCIG, Radovan, dr.

Our experience with the treatment of angina pectoris with sustac.
Lijec. vjes. 81 no.7-8:489-492 '59.

1. Iz Interne klinike Med. fakulteta Sveucilista u Zagrebu.
(ANGINA PECTORIS ther.)
(NITRITES ther.)

SERITIC, T.; MOHACEK, I.

Acute occupational poisoning with nitric fumes. Arh. hig. rada
7 no.1:31-40 1956.

1. Institut za medicinska istrasivanja Jugoslavenske akad.
snanosti i umjetnosti, Zagreb, i Interna klinika Medicinskog
fakulteta, Zagreb.

(NITRATES, poisoning,
lung edema caused by nitric acid fumes in indust. (Ser))

(LUNGS DISEASES, etiology and pathogenesis
edema caused by nitric acid fumes in indust. (Ser))

(EDEMA,
lungs, caused by nitric acid fumes in indust. (Ser))

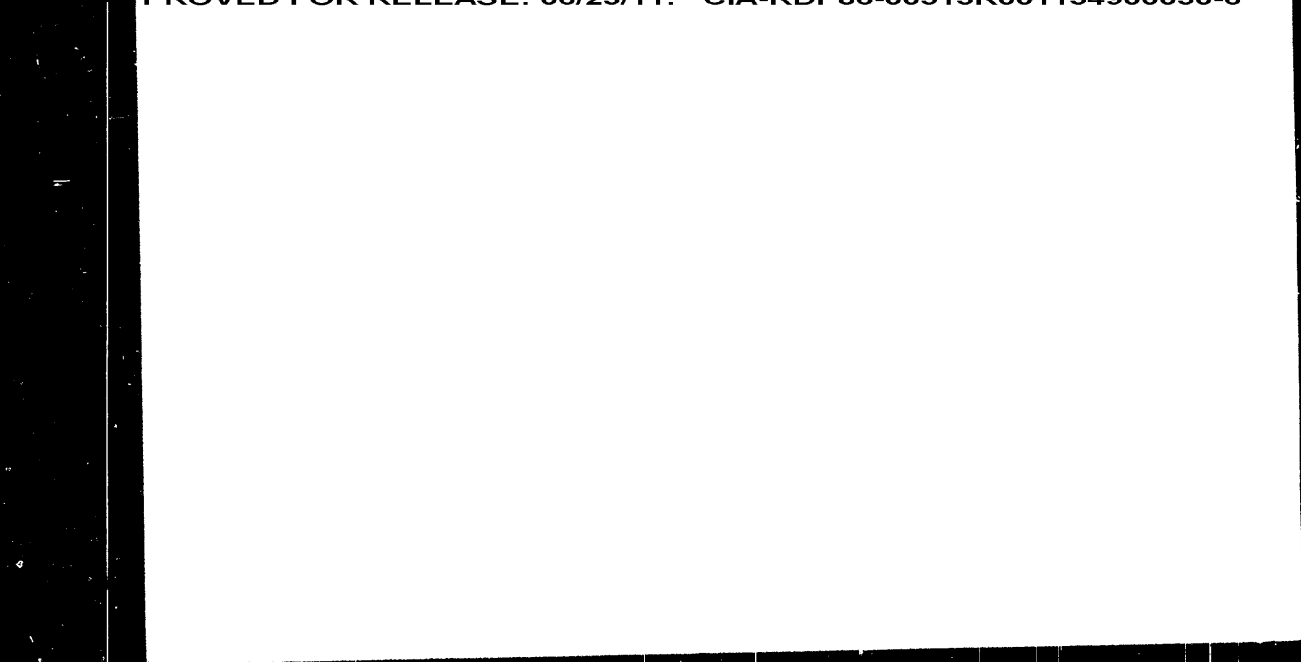
MOHACEK, I., Dr.; RADOSEVIC, Doc. Dr.

~~Radosevic, I., Dr.~~

Thyreoiditis acute et subacuta, de Quervain. Med. pregl. 7 no.1:
8-14 1954.

1. Klinika za unutarnje bolesti Medicinskog fakulteta u Zagrebu.
(THYROIDITIS,)
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HOUGHROSSI, Sandor

Manufacturing cement by using the Lepol-method. Musz elet
17 no.5:14 Mr '62.

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MOGYCROSSI, Sandor

Cement manufacturing from blast furnace cinder. Muss elet 16 no.12:
11 Je '61. (EEAI 10:9)

(Cement.)

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A central limit theorem for the sum of a random number of independent random variables. Mat kut kozl MTA 7 series A no.3:409-424 '62.

1. Eotvos Lorand University, Mathematical Institute, Budapest.

AC60/A000

It is noted that such investigations of the behavior of sums of a random number of random components may have an application, for example, in sequential analysis, or in the use of the Monte-Carlo method.

V.P. Christyakow

[Abstracter's note: Complete translation]

Card 2/2

Author: Mogyoródi, J.

TITLE: On limiting distributions for sums of a random number of independent random variables

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 2 - 3, abstract 11V3 (Magyar. tud. akad. Mat. kutató int. közl., 1961, v. 6, no. 3, 365 - 371; English; summary in Russian)

TEXT: Let $\xi_1, \xi_2, \dots, \xi_n, \dots$ be a sequence of independent random variables and let a sequence of non-negative random integer variables ν_n be such that ν_n/k_n tend to probability 1 (k_n is a sequence of positive integers). The paper obtains the necessary and sufficient conditions for the convergence of the distribution function of the random variable $\left(\sum_{i=1}^{\nu_n} \xi_i\right) B_n^{-1}$ to the function

$$F(x) = \lim_{n \rightarrow \infty} P \left\{ \frac{\xi_1 + \dots + \xi_n}{B_n} < x \right\}.$$

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

Probabilistic treatment of the motion of neutrons in nuclear reactors. p.237

MAGYAR TUDOMANYOS AKADEMIA MATEMATIKAI KUTATO INTÉZETÉNEK KÖZLEMÉNYEI.
PUBLICATIONS OF THE MATHEMATICAL INSTITUTE OF THE HUNGARIAN ACADEMY OF
SCIENCES. Budapest, Hungary. Vol. 3, no. 3/4, 1958

Monthly list of East European Accessions (EEAI). LC. Vol. 9, no. 1, Jan-
1960

Uncl.

MOGUZOV, V.I.; SHPORIN, N.S., otv. red.; GERASIMOVA, Ye.S., tekhn.
red.

[Machine tools; brief manual] Metalloreshkushchie stanki;
kratkii spravochnik. Moskva, Izd-vo ekon. lit-ry, 1961. 815 p.
(MIRA 15:3)

(Machine tools)

MOGUZOV, V.I.; Terman, Ye.D.

The B122, K116G, KAO32, and FO53 forging and pressing machines.
Bul.tekh.-ekon.inform. no.5:7-11 '58. (MIRA 11:7)
(Power presses)

[illegible][illegible]

MOGUYIWA, H.S.

Synoptic and local conditions producing strong winds in Saratov Province. Sbor.rab.po sinop. no.2:53-58 '58. (MIRA 12:6)

1. Saratovskoye gidromethyuro.
(Saratov Province--Winds)

VYSOTSKAYA, T.V.; LYGALOVA, Z.V.; MAZYUKOV, A.S.; PARFENOVA,
T.V.; SOKOLOV, V.D., red.; CHERNOBOD, M.B., red.;
MOGUTOVA, A., red.

[Party organizations of Kuznets Basin during the years
of the Great Patriotic War, 1941-1945; in two volumes]
Partiinye organizatsii Kuzbassa v gody Velikoi Oteche-
stvennoi voiny (1941-1945 gg.). Kemerovo, Kemerovskoe
knizhnoe izd-vo. Vol.2. 1965. 279 p. (MIRA 19:1)

1. Kommunisticheskaya Partiya Sovetskogo Soyuza. Kemerov-
skiy oblastnoy komitet. Partinyy arkhiv.

MOGUTOV, S.I.; BARASHEVA, N.A.

Expand the production of Siberian pine immersion oil. Gidroliz.i
lesokhim.prom. 9 no.3:19-20 '56. (MLBA 9:8)

1. Barnaul'skiy kanifol'no-terpentinnyy savod.
(Gums and resins) (Oils and fats)

МОГУТОВ, С.И.

Mechanisation of heavy work. Gidrolis. i lesokhim. prom. 8
no.6:17-18 '55. (MLRA 9:1)

1.Glavnyy inzhener Barnaul'skogo kanifol'no-terpentinnogo
zaveda.
(Barnaul--Turpentine industry) (Material handling)

MOGUTOV, S.I.

~~Operating experience of the Barnaul factory. Der. 1 lesokhin.~~
Operating experience of the Barnaul factory. Der. 1 lesokhin.
prom.3. no.11:26-27 M '54. (MLRA 7:12)

1. Glavnyy inzhener Barnaul'skogo kanifol'no-terpentinnogo
savoda.

(Barnaul--Gums and resins)

1. MOGUTOV, S. I.
2. USSR (600)
4. Loading And Unloading
7. Mechanical loading and unloading in the rosin plant. Der. i lesokhim. prom.
1 no. 2 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

MOGUTNOV, M.; KARASEV, S.

The new schedule has totally justified itself. Sots. trud 8
no.9:85-86 S '63. (MIRA 16:10)

1. Direktor ordena Lenina kombinata tekhnicheskikh tkaney "Krasnyy
Perekop" (for Mogutnov). 2. Nachal'nik tekhnicheskogo otdela ordena
Lenina kombinata tekhnicheskikh tkaney "Krasnyy Perekop" (for
Karasev).

L 44451-66

ACC NR: AP6018946

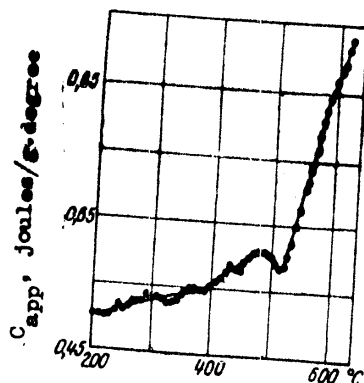


Fig. 1. Apparent heat capacity of slowly cooled alloy.

the experimental results. Orig. art. has: 3 graphs.

SUB CODE: 11/ SUBM DATE: 13Jul65/ ORIG REF: 005/ OTH REF: 002

Card 2/2

L 44451-66 EWT(m)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HW
 ACC NR: AP6018946 (A) SOURCE CODE: UR/0126/66/021/006/0881/0886

AUTHORS: Itkin, V. P.; Mogutnov, B. M.; Shvartsman, L. A.

ORG: Institute for Study of Metals and Metal Physics. TsNIICHERMET imeni I. P. Bardin (Institut metallovedeniya i fiziki metallov. TsNIICHERMET)

TITLE: Effect of preliminary annealing and plastic deformation on the aging of martensite

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 6, 1966, 881-886

TOPIC TAGS: alloy steel, nickel containing alloy, aluminum containing alloy, martensite steel, metal aging

ABSTRACT: The effect of preliminary annealing and plastic deformation of iron-aluminum martensite on the aging and mechanical properties of the latter was investigated. The work supplements the results of an earlier study by V. P. Itkin, B. M. Mogutnov, and L. A. Shvartsman (DAN SSSR, 1965, 161, 1073); the experimental procedure employed is described by the same authors (FMM, 1966, 21, 732). The experimental results are presented graphically (see Fig. 1). It was found that aging of iron-aluminum martensite is a complex process accompanied by positive and negative heat effects. The alloy is strengthened by a high temperature aging, and the authors attribute this strengthening effect to precipitation of (Ni, Fe)Al. The authors thank G. V. Kurdyumov and M. D. Perkas for their valuable advice and critical appraisal of

Card 1/2

L 36110-66

ACC NR: AP6017307

are in fair agreement with the theoretically calculated values for the observed heat effects. It is concluded that the decomposition of Fe--Ni--Al martensite proceeds with the formation of NiAl phase. Orig. art. has: 3 tables, 4 graphs, and 6 equations.

SUB CODE: 11/ SUBM DATE: 13Jul65/ ORIG REF: 009/ OTH REF: 014

LS

Card 3/3

L 36110-66

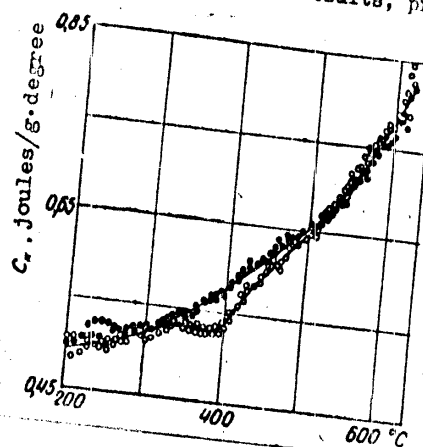
ACC NR: AP6017307

where ϵ_{Ni} is given by

$$\epsilon_{Ni}^{Al} = \frac{\partial \ln \gamma_{Ni}}{\partial x_{Al}}$$

and γ_{Ni} and x_{Al} are the activity coefficient of Ni and mole fraction of Al respectively. The calculated values of the equilibrium composition and heats of reaction for different initial alloy compositions are tabulated. In addition, the apparent heat capacities of the Fe--Ni--Al alloys were determined. The experimental procedure followed is described by Yu. D. Tretyakov, V. A. Troshkina, and K. G. Khomyakov (Zhurnal neorg. khimii, 1959, 4, 5). The experimental results, presented graphically (see Fig. 1),

Fig. 1. Apparent heat capacity of alloy Fe + 8 at.% Ni + 1.1 at.% Al; open circles: quenched specimen; black circles: annealed specimen.



L 36110-66

ACC NR:

AP6017307

EWI(m)/EWP(w)/T/EWP(t)/ETI

(N)

IJP(c)

JD/HW/JH

SOURCE CODE: UR/0126/66/021/005/0732/0739

AUTHORS: Itkin, V. P.; Mogutnov, B. M.; Shvartsman, L. A.

ORG: Institute for Physical Metallurgy and Metal Physics (Institut metallovedeniya i fiziki metallov); TsNIICHERMET

TITLE: The nature of phases which separate during aging of iron--nickel--aluminum martensite

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 5, 1966, 732-739

TOPIC TAGS: martensite, iron containing alloy, nickel containing alloy, aluminum containing alloy

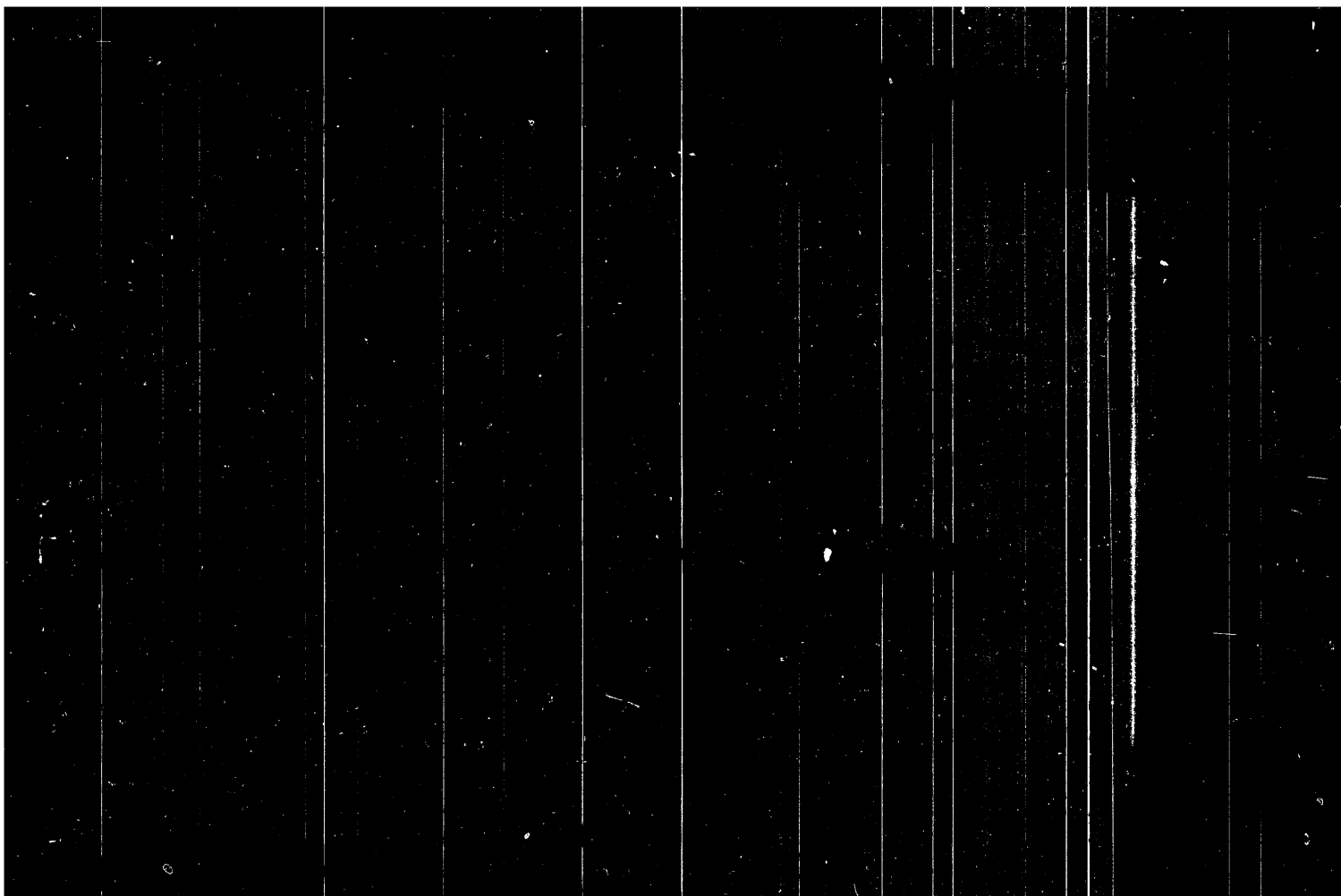
ABSTRACT: A thermodynamic calculation of the equilibrium composition of the products formed during the decomposition of aged Ni--Fe--Al martensite was carried out. The calculation supplements the data of V. P. Itkin, B. M. Mogutnov, and L. A. Shvartsman (DAN SSSR, 1965, 161, 1073) and is based on earlier literature data for activity coefficients for the binary systems Ni--Fe, Fe--Al and Ni--Al. The derivation of activity coefficients for the ternary system from the activity coefficients of the binary systems was carried out after the method of C. J. Wagner (Chem. Phys., 1951, 19, 5, 626)

$$e_{Al}^{Ni} = e_{Ni}^{Al} \approx \left[\frac{\partial \ln \gamma_{Al}}{\partial x_{Al}} \frac{\partial \ln \gamma_{Ni}}{\partial x_{Ni}} \right]^{\frac{1}{2}}$$

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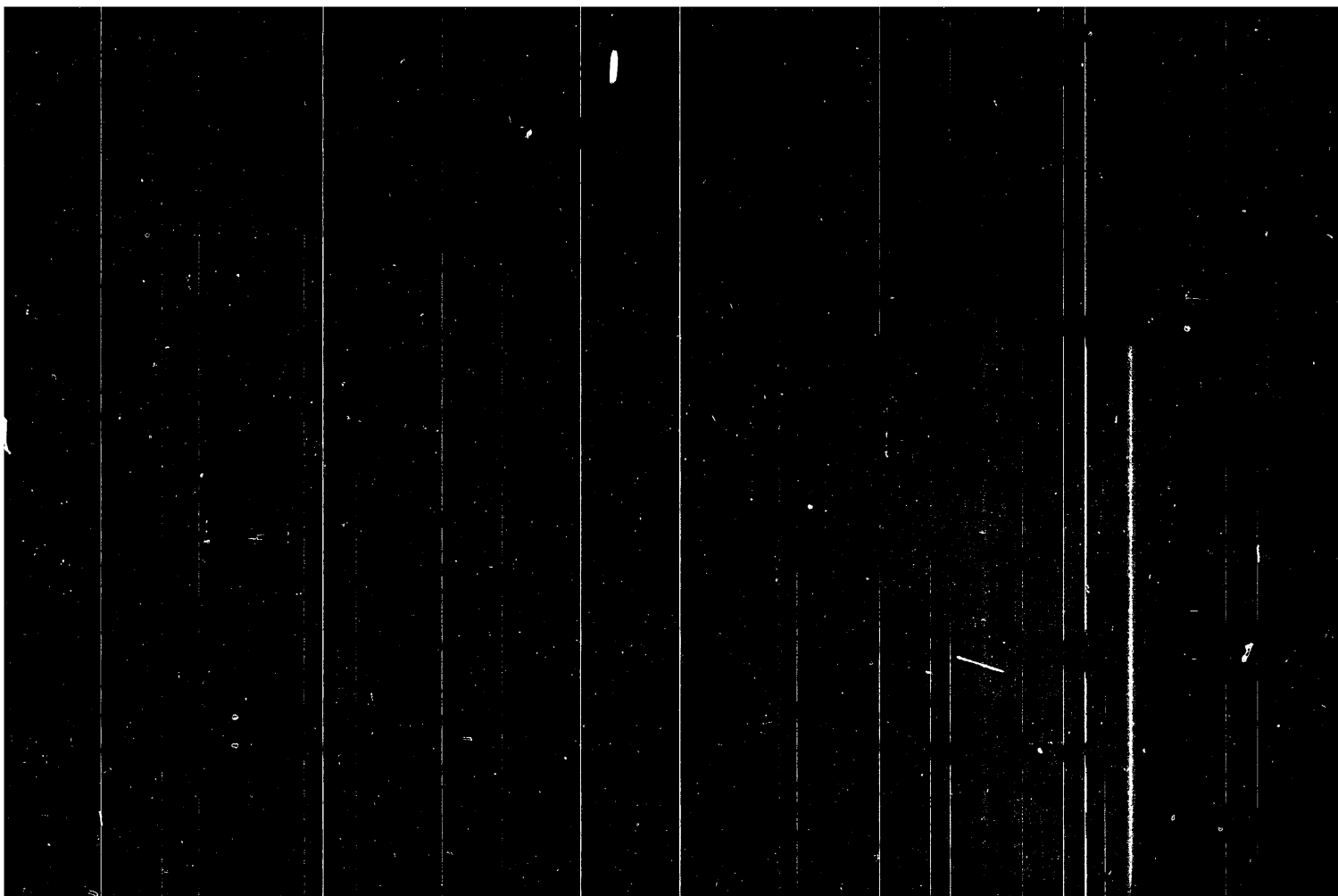
UDC: 548.53

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

AUTHORS: Malkin, V. I., and Magutnov, B. M.
 TITLE: Methods of measuring the diffusion coefficient in silicate melts

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 3, 1962, 291 - 296

TEXT: This is a survey of methods published for determining the diffusion coefficient in slags and other silicate melts. Tagging with radioisotopes and investigations of electrodic processes are mentioned. Equations are given for calculating the diffusion coefficient. The following Soviet authors are mentioned: Han Ch'ih-yung, V. A. Grigoryan, A. A. Zhukhovitskiy (Izvestiya Vysshikh uchebnykh zavedeniy Chernaya metallurgiya, 5, 5 (1961), I. A. Novokhatskiy, O. A. Yesin, S. K. Chuchmarev (Doklady AN SSSR, 136 (4), 868 (1961), and Yu. P. Nikitin. O. A. Yesin, Ye. S. Vorontsov (Zhurnal fizicheskoy khimii, 32 (6), 1420 (1958). There are 1 figure and 39 references: 20 Soviet and 19 non-Soviet. The four most recent references to English-language publications read as follows: T. Saito, K. Maruya. Sci. Rep. Research Inst. Tôhoku

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900030-6

melt. Zhur.neorg.khiz. 7 no.9:2277-2278 S '62. (MIRA 15:9)
number of cations in a $\text{Na}_2\text{O} \cdot \text{K}_2\text{O} \cdot \text{B}_2\text{O}_3$

1. Institut metallovedeniya i fiziki metallov i Tsentral'nyy
nauchno-issledovatel'skiy institut chernoy metallurgii imeni
I.P. Bardina.

(Alkali metal borates)
(Ions—Migration and velocity)

MALKIN, V.I.; MOGUTNOV, B.M.

Self-diffusion of alkali ions in silicate melts. Dokl. AN
SSSR 141 no.5:1127-1130 D '61. (MIRA 14:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii im. I.P. Bardina. Predstavleno akademikom G.V. Kurdyumovym.
(Alkali metal silicates) (Diffusion)

The Effect of the Basicity of Slag on the SOV/20-124-1-42/69
Oxidation of Chromium Subgroup Elements Dissolved in Liquid Iron

ASSOCIATION: Institut metallovedeniya i fiziki metallov Tsentral'nogo
nauchno-issledovatel'skogo instituta chernoy metallurgii
(Institute of Metallography and Metal Physics of the Central
Scientific Research Institute of Ferrous Metallurgy)

PRESENTED: August 15, 1958, by G. V. Kurdyumov, Academician

SUBMITTED: August 13, 1958

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The Effect of the Basicity of Slag on the
Oxidation of Chromium Subgroup Elements Dissolved in Liquid Iron

SOV/20-124-1-42/69

has a contrary effect; the heat effect remains almost unchanged. This fact makes the conclusion possible that the decrease of L is caused by the entropy component of free energy. The main difference between molybdenum oxidation and chromium is therefore the fact that in the latter case a higher oxide is formed which clearly behaves like an acid in the slag. In the case of tungsten oxidation CaO has a rather increasing effect upon L and the heat of reaction (Ref 4). They are both reduced by SiO_2 . Thus, the balance of the oxidation reaction of molybdenum and tungsten which form in the slag higher oxides with marked acid properties - depends considerably upon basicity. With respect to chromium this is the case only to a negligible extent. There are 1 table and 4 references, 3 of which are Soviet.

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The Effect of the Basicity of Slag on the SOV/20-124-1-42/69
Oxidation of Chromium Subgroup Elements Dissolved in Liquid Iron

according to the method applied in reference 1 with the help of radioactive isotopes Cr^{51} , Mo^{99} and W^{185} . The results obtained show that in all cases the dependence of L on temperature is satisfactorily expressed by the equation

$$\lg L = \frac{A}{T} + B \quad (1). \quad A \text{ denotes the heat effect of the reaction}$$

$$\left(A = - \frac{\Delta H}{4.573} \right), \text{ and the constant } B \text{ denotes the}$$

variation of entropy. The composition of the investigated slags is given in table 1. L as well as A and B depend but very little on the concentration of the calcium oxide in the case of chromium oxidation. The presence of SiO_2 in the iron containing slag means an increase of the heat of reaction of chromium oxidation. Cr_2O_3 is a basic oxide (Ref 3). The authors state that this oxide in the slag melts is to be regarded as a weak base. It can be seen (Table 1) that in the case of the introduction of calcium oxide into the slag L is doubled and trebled compared to the iron containing slag. Also the heat effect of the reaction increases. The introduction of silica

5(2,4)

AUTHORS:

Perevalov, N. N., Mogutnov, E. M.,
Shvartsman, L. A.

SOV/20-124-1-42/69

TITLE:

The Effect of the Basicity of Slag on the Oxidation of Chromium Subgroup Elements Dissolved in Liquid Iron (Vliyaniye osnovnosti shlaka na okisleniye elementov podgruppy khroma, rastvorenykh v zhidkom zheleze)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 150-152 (USSR)

ABSTRACT:

The oxidation of the elements dissolved in iron is to a considerable extent due to the interconnection between the acid - basic properties of the forming oxides and the basicity of slag. Slags containing only iron oxides (iron containing slags) were regarded as neutral by the authors. They were regarded as the basis to which calcium oxide and silica, the most typical oxides occurring in slags with respect to their acid - basic properties, were added. The authors investigated the dependence of the distribution coefficient L of the corresponding element at low concentration between iron and slag in dependence on the composition of slag. L was determined

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SOV/180-59-1-5/29

Influence of Calcium Oxide on the Distribution of Tungsten between
Liquid Iron and Slag

in the form of FeO). The authors discuss their own and published results (Refs 5 and 6) and estimate the heat of mixing of WO_3 with ferruginous limey slag. They conclude that this oxide has a pronounced acidic nature, and that with increasing basicity of open-hearth slags the oxidation of tungsten from liquid steel should increase.

Card 3/3 There are 6 figures, 2 tables and 7 references, 3 of which are Soviet, 3 English and 1 German.

SUBMITTED: March 1, 1958

SOV/180-59-1-5/29

Influence of Calcium Oxide on the Distribution of Tungsten between Liquid Iron and Slag

50 mg (activity 1 millicurie) per 400 g of slag, which was kept molten long enough to allow complete oxidation and mixing. About 50 g of iron (electrolytic) were used, metal temperature being measured with a micro-optical pyrometer and kept constant. Fig 3 shows the count for metal samples at temperatures of 1600, 1640 and 1700°C. Results were reproducible even when equilibrium was approached from different directions (ie with excess or with deficiency of tungsten in the iron). The heat-content and entropy changes associated with the transfer of 1 g atom of tungsten from iron into slag were calculated from the distribution coefficient values at different temperatures (Fig 4 shows the linear relations between the logarithms of the coefficient and $10^4/(\text{absolute temperature})$). With a slag consisting exclusively of iron oxides the heat-content and entropy changes were 14800 cal and 3.84 cal/degree g-atom, respectively. With lime-containing slags the heat-content change is greater, reaching (Fig 5) a value of 41000 cal for a slag with a molar fraction of CaO of 0.40 (all slag iron assumed to be

Card 2/3

SOV, 180-59-1-5/29

AUTHORS: Mogutnov, B.M., Perevalov, N.N. and Shvartsman, L.A.
(Moscow)

TITLE: Influence of Calcium Oxide on the Distribution of Tungsten between Liquid Iron and Slag (Vliyanie okisi kal'tsiya na raspredeleniye vol'frama mezhdru zhidkim zhelezom i shlakom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 1, pp 22-28 (USSR)

ABSTRACT: The object of the work described was to study the behaviour of tungsten in oxide melts at high temperatures, especially to obtain accurate data on the distribution of the element between iron and slag in relation to thermodynamic conditions. A successive saturation method, described by Shvartsman and others (Refs 1-3) was used. In this small portions of a previously prepared slag containing a radioactive isotope of the element concerned are added to the iron at a constant temperature until further addition produces no further increase in the radioactivity of the iron. The distribution coefficient is calculated from the radioactivities of metal and slag. The isotope (W^{185}) was added to the melted slag in an induction-heated iron crucible in the proportion of

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